

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07C2/18 C07C2/12 C07C2/70 C07C2/66

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	US 3 864 346 A (CHILD EDWARD T ET AL) 4 February 1975 (1975-02-04) figure 1 column 1, line 15 - line 37 column 2, line 64 - column 3, line 13 claim 3 ----- -/--	1,5,8,18



Further documents are listed in the continuation of box C



Patent family members are listed in annex

* Special categories of cited documents

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *G* document member of the same patent family

Date of the actual completion of the international search

30 May 2005

Date of mailing of the international search report

13/06/2005

Name and mailing address of the ISA

European Patent Office, P B 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

O'Sullivan, P

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CAVANI F ET AL: "EFFECT OF WATER IN THE PERFORMANCE OF THE SOLID PHOSPHORIC ACID CATALYST FOR ALKYLATION OF BENZENE TO CUMENE AND FOR OLIGOMERIZATION OF PROPENE" APPLIED CATALYSIS A: GENERAL, ELSEVIER SCIENCE, AMSTERDAM, NL, vol. 97, no. 2, 23 April 1993 (1993-04-23), pages 177-196, XP001034799 ISSN: 0926-860X cited in the application page 178, paragraph 5 page 180, line 34 - line 35 -----	1-18,21, 22
X	US 2 681 374 A (BETHEA SAM R) 15 June 1954 (1954-06-15) column 1, line 1 - line 5 column 3, line 3 - line 37 column 5, line 45 - line 54 -----	1
A	US 4 018 846 A (MAYER IVAN) 19 April 1977 (1977-04-19) column 2, line 50 - column 3, line 6 claim 1 -----	1-22
A	US 5 672 800 A (BAES MARLEEN AUGUSTA ET AL) 30 September 1997 (1997-09-30) cited in the application claim 1 -----	1-22

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3864346	A	04-02-1975	AU 466991 B2	13-11-1975
			AU 4471472 A	24-01-1974
			BE 786859 A1	29-01-1973
			CA 950558 A1	02-07-1974
			DE 2237984 A1	15-02-1973
			ES 405461 A1	16-07-1975
			FR 2149897 A5	30-03-1973
			GB 1381408 A	22-01-1975
			IT 990507 B	10-07-1975
			JP 48026703 A	09-04-1973
			JP 54004637 B	08-03-1979
			NL 7210690 A	07-02-1973
			SE 378415 B	01-09-1975
			US 3733473 A	15-05-1973
			ZA 7204826 A	28-11-1973

US 2681374	A	15-06-1954	NONE	

US 4018846	A	19-04-1977	CA 1085757 A1	16-09-1980
			JP 52083304 A	12-07-1977
			US 4073822 A	14-02-1978

US 5672800	A	30-09-1997	AT 155454 T	15-08-1997
			CA 2128624 A1	19-08-1993
			DE 69312268 D1	21-08-1997
			DE 69312268 T2	18-12-1997
			WO 9316020 A2	19-08-1993
			EP 0625132 A1	23-11-1994
			EP 0757976 A2	12-02-1997
			JP 2901347 B2	07-06-1999
			JP 7503745 T	20-04-1995
			ZA 9300594 A	31-08-1993
